BRUHAT BANGALORE MAHANAGARA PALIKE,
DASARAHALLI ZONE

Executive Engineeer
Dasarahalli Division
B.B.M.P., Bangalore.

SCHEDULE - B

Name of Work : Drilling of borewell and Providing Pump motor at Shetttyhalli and Abbigere Villages and surrounding area in Ward No 12, Shettyhalli sub Division

Sl. No.	Description	Unit	Approved Quantity	Rates	
				In Figures	In Words
1	**Geophysical investigation of site for sinking borewell** for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., complete and as per the directions of the Engineer-in-charge of the work	Each	6	1882.00	Rupees One Thousand Eight Hundred EightyTwo Only
2	**Sinking of borewell of 165 mm dia clear** using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. rixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc., complete and as per the directions of the Engineer-in-charge of the work				0
	0.00 to 50.00 Mtr.	Mtr	300.00	315.18	Rupees Three Hundred Fifteen Paise Eighteen Only
	50.00 to 100.00 Mtr.	Mtr	300.00	412.60	Rupees Four Hundred Twelve Paise Sixty Only
	100.00 to 150.00 Mtr.	Mtr	300.00	458.35	Rupees Four Hundred FiftyEight Paise ThirtyFive Only

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	150.00 to 200.00 Mtr.	Mtr	300.00	484.10	Rupees Four Hundred EightyFour Paise Ten Only
	200.00 to 250.00 Mtr.	Mtr	300.00	560.32	Rupees Five Hundred Sixty Paise ThirtyTwo Only
	250.00 to 300.00 Mtr.	Mtr	300.00	600.00	Rupees Six Hundred Only
	300.00 to 330.00 Mtr	Mtr	180.00	640.60	Rupees Six Hundred Fourty Paise Sixty Only
3	Supplying of ISI Mark 175 mm **nominal bore medium black ERW casing pipe** of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/1993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes) etc., complete and as per the directions of the Engineer-in-charge of the work	mtr	414.00	1325.00	Rupees One Thousand Three Hundred TwentyFive Only
4	Providing and fixing **250mm dia PVC pipe** and as per specification and directions of the Engineer-in-charge of the work	Mtr	108.00	1133.00	Rupees One Thousand One Hundred ThirtyThree Only
5	Supply of 175 mm dia **M.S. Casing cap** etc., complete and as per the directions of the Engineer-in-charge of the work	Each	6	100.00	Rupees One Hundred Only
6	Supply of 175mm **M.S collars** each etc., complete and as per the directions of the Engineer-in-charge of the work	Each	72	150.00	Rupees One Hundred Fifty Only
7	Supply & delivery at site brand **new texmo/innoval/lubi/sabar /Atalanta/calamal/** waterman/Radha make **suitable HP deep well submercible pumpset** suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings etc., complete and as per the directions of the Engineer-in-charge of the work	set	6.00	69334.60	Rupees SixtyNine Thousand Three Hundred ThirtyFour Paise Sixty Only
8	Providing, laying & jointing **GI pipes** confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings)b 50mm dia GI pipeetc., complete and as per the directions of the Engineer-in-charge of the work	Rmtr	1560	340.26	Rupees Three Hundred Fourty Paise TwentySix Only

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9	**Supplying and drawing 3 core PVC** Sheathed submersible pump **cable** manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia **etc., complete and as per the directions of the Engineer-in-charge of the work**	Mtr	3300.00	164.29	Rupees One Hundred SixtyFour Paise TwentyNine Only
10	**Supplying & delivery at site brand new** / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control **panel board unit** of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter etc., complete and as per the directions of the Engineer-in-charge of the work	Nos	6	14800.00	Rupees Fourteen Thousand Eight Hundred Only
11	**Fabricating supplying and mounting MS box** of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cmetc., complete and as per the directions of the Engineer-in-charge of the work	Sqm Cm	132000	0.34	Paise ThirtyFour Only
12	**Providing & Fixing of clamps set** and borewell cap to the pump (MR)	Each	6	690.00	Rupees Six Hundred Ninety Only
13	Supplying & delivery of brand new best make **non return valve of size 50mm** as per IS: 778/84 with latest amendments with ISI mark (50mm Gate wheel Valve.)etc., complete and as per the directions of the Engineer-in-charge of the work	No's	6	1213.70	Rupees One Thousand Two Hundred Thirteen Paise Seventy Only
14	Supplying and delivery of brand new best make **Gate Valve of size 50mm** as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia etc., complete and as per the directions of the Engineer-in-charge of the work	No's	6	1696.00	Rupees One Thousand Six Hundred NinetySix Only
15	Providing and fixing of **50mm GI Short bend** to motor , G.I. Pipe Fittings - ISI Standards Table) etc., complete and as per the directions of the Engineer-in-charge of the work	No's	6	232.14	Rupees Two Hundred ThirtyTwo Paise Fourteen Only

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	Providing and fixing of **50mm GI union** to the motor (PWD SR-2016-17) P.NO.XXXIX, G.I. Pipe Fittings - ISI Standards Table)	No's	6	237.12	Rupees Two Hundred ThirtySeven Paise Twelve Only
	suppling & fixing of **50mm GI Elbow etc.**, complete and as per the directions of the Engineer-in-charge of the work	No's	6	111.80	Rupees One Hundred Eleven Paise Eighty Only
	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m) complete and as per the directions of the Engineer-in-charge of the work	Per length	300	90.64	Rupees Ninety Paise SixtyFour Only
19	**Erection of combined panel board meter** board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. etc., complete and as per the directions of the Engineer-in-charge of the work	No's	6	475.00	Rupees Four Hundred SeventyFive Only
20	**Supplying and fixing miniature circuit breakers**/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP **(P-526, It - 13D (a), BWSSB SR 13-14)**	No's	6	906.40	Rupees Nine Hundred Six Paise Fourty Only
21	**Supplying and laying of L.T.U.G Cable** having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	270	169.95	Rupees One Hundred SixtyNine Paise NinetyFive Only
22	**Digging of trenches** of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces **etc., complete and as per the directions of the Engineer-in-charge of the work**	Mtr	270	56.65	Rupees FiftySix Paise SixtyFive Only
23	Supplying and fixing **Class-A GI Pipe on pole/ wall/drain** crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm (P.NO - 555, I.NO - 15 (b), BWSSB SR 13-14)	Mtr	18	249.26	Rupees Two Hundred FourtyNine Paise TwentySix Only
24	Supplying and fixing wiring **earth electrode for grounding** conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia **etc., complete and as per the directions of the Engineer-in-charge of the work**	No	6	1699.50	Rupees One Thousand Six Hundred NinetyNine Paise Fifty Only

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	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc, etc., complete and as per the directions of the Engineer-in-charge of the work	No	6	271.92	Rupees Two Hundred SeventyOne Paise NinetyTwo Only
	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. etc., complete and as per the directions of the Engineer-in-charge of the work	No	6	1350.00	Rupees One Thousand Three Hundred Fifty Only
	Providing and fixing **Gun Metal Gate wheel valve** confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia **etc., complete and as per the directions of the Engineer-in-charge of the work**	No	18	1526.40	Rupees One Thousand Five Hundred TwentySix Paise Fourty Only
28	Supplying and fixing of **polished wood board** made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches **etc., complete and as per the directions of the Engineer-in-charge of the work**	No	6	311.68	Rupees Three Hundred Eleven Paise SixtyEight Only
29	**Earthwork excavation for** foundation of buildings, **water supply,** sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications and directions of the Engineer-in-charge of the work	Cum	1593.00	299.98	Rupees Two Hundred NinetyNine Paise NinetyEight Only
30	**Providing and installing at site of work 63mm** (0.662) **PVC Pipes** of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete and as per the directions of the Engineer-in-charge of the work	Mtr	2950.00	123	Rupees One Hundred TwentyThree Only
31	**Refilling available earth around pipe lines**, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications etc., complete and as per the directions of the Engineer-in-charge of the work	Cum	1593.00	80.56	Rupees Eighty Paise FiftySix Only

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